AMENDMENTS TO THE CLAIMS:

This listing of claims would replace all prior versions and listings of claims in the application:

1. (Currently Amended) An information processing apparatus as a first computer in a system including a plurality of computers each connected to a network, a second computer executing a directory service program, the directory service including a remote reference representing a network address of each of the plurality of computers, comprising:

a program processing unit configured to execute a server program described as an object-oriented language executed by a platform-independent machine language;

a remote reference control unit configured to create a remote reference of the first computer when the server program is generated in the first computer, the remote reference including a network address and a port number of the first computer, and to register the remote reference in the directory service program of the second computer, a third computer referring to the remote reference in the second computer through the network to access the server program;

a HTTP server configured to store a stub class describing a procedure necessary for the third computer to process the server program received from the first computer;

a class loader configured to store a location address of the stub class in a codebase;

a monitor unit configured to monitor a change of a network address of the first computer; and

a network address acquisition unit configured to acquire a new network address of the first computer when said monitor unit detects the change of the network address of the first computer; [[and]]

[[a]] wherein the remote reference control unit ~~configured to update~~ updates the network address of the remote reference in the second computer by using the new network address.

Claims 2 and 3 (Canceled).

4. (Currently Amended) The information processing apparatus according to claim [[3]] 1,

wherein said monitor unit decides whether the network address of the first computer is changed by referring to an OS of the first computer; and

wherein said network address acquisition unit acquires the new network address of the first computer from the OS when said monitor unit decides that the network address of the first computer is changed.

Claim 5 (Canceled).

6. (Currently Amended) The information processing apparatus according to claim [[5]] 1,

wherein when said monitor unit detects the change of the network address of the first computer,

~~wherein~~ said class loader updates the location address of the codebase by using the new network address.

7. (Previously Presented) The information processing apparatus according to claim 6,

wherein said remote reference control unit registers a stub object in the directory service program of the second computer, the stub object including the remote reference and the codebase.

8. (Currently Amended) The information processing apparatus according to claim 7,

wherein said HTTP server stores a plurality of classes including the stub class, and [[:]]

wherein said class loader stores a location address of each of the plurality of classes in the codebase.

9. (Currently Amended) The information processing apparatus according to claim [[3]] 1,

wherein the first computer is a service terminal executing the server program to provide a service in response to a request from the third computer as a client's terminal.

10. (Currently Amended) An information processing method of a first computer in a system including a plurality of computers each connected to a network, a second computer

executing a directory service program, the directory service program including a remote reference representing a network address of each of the plurality of computers, comprising:

executing a server program described as an object-oriented language executed by a platform-independent machine language;

creating a remote reference of the first computer when the server program is generated in the first computer, the remote reference including a network address and a port number of the first computer;

registering the remote reference in the directory service program of the second computer, a third computer referring to the remote reference in the second computer through the network to access the server program;

storing a stub class describing a procedure necessary for the third computer to process the server program received from the first computer;

storing a location address of the stub class in a codebase;

monitoring a change of [[a]] the network address of the first computer;

acquiring a new network address of the first computer when the change of the network address of the first computer is detected; and

updating the network address of the remote reference in the second computer by using the new network address.

Claims 11-12 (Canceled).

13. (Currently Amended) The information processing method according to claim [[12]] 10,

further comprising:

deciding whether the network address of the first computer is changed by referring to an OS of the first computer; and

acquiring the new network address of the first computer from the OS when the network address of the first computer is decided to be changed.

Claim 14 (Canceled).

15. (Currently Amended) The information processing method according to claim [[14]] 10,

further comprising:

when the change of the network address of the first computer is detected,

updating the location address of the codebase by using the new network address.

16. (Previously Presented) The information processing method according to claim 15,

further comprising:

registering a stub object in the directory service program of the second computer, the stub object including the remote reference and the codebase.

17. (Currently Amended) The information processing method according to claim 16,

further comprising:

storing a plurality of classes including the stub class[[,]]; and

storing a location address of each of the plurality of classes in the codebase.

18. (Currently Amended) The information processing method according to claim [[12]] 10,

wherein the first computer is a service terminal executing the server program to provide a service in response to a request from the third computer as a client's terminal.

19. (Currently Amended) A computer program product, comprising

a computer readable program code embodied in said product for causing a first computer in a system including a plurality of computers each connected to a network, a second computer executing a directory service program, the directory service including a remote reference representing a network address of each of the plurality of computers, said computer readable program code having :

a first program code to execute a server program described as an object-oriented language executed by a platform-independent machine language;

a second program code to create a remote reference of the first computer when the server program is generated in the first computer, the remote reference including a network address and a port number of the first computer;

a third program code to register the remote reference in the directory service program of the second computer, a third computer referring to the remote reference in the second computer through the network to access the server program;

a fourth program code to store a stub class describing a procedure necessary for the third computer to process the server program received from the first computer

a fifth program to store a location address of the stub class in a codebase;

a ~~second~~ sixth program code to monitor a change of a network address of the first computer;

a ~~third~~ seventh program code to acquire a new network address of the first computer when the change of the network address of the first computer is detected; and

~~a fourth~~ an eighth program code to update the network address of the remote reference in the second computer by using the new network address.